

Glendell Monthly Monitoring Report

June 2008

Note this report should be read in conjunction with the Mt Owen monthly monitoring report

Blast Monitoring Results June 2008

Glendell Blast Monitoring Results

Date Fired	Time Fired	Railway		Noble		Powerline	
		Peak Vibration mm/s	Peak Overpressure dB(L)	Peak Vibration mm/s	Peak Overpressure dB(L)	Peak Vibration mm/s	Peak Overpressure dB(L)
6/06/2008	09:47	115.7	2.25	107.3	0.29	123.5	3.41
10/06/2008	15:57	110.1	0.28	98.1	0.10	112.9	0.40
16/06/2008	16:00	106.1	2.22	94.4	0.15	110.8	9.12
17/06/2008	12:30	118.3	0.69	107.2	0.19	122.4	0.97
19/06/2008	16:04	110.4	2.17	91.4	0.05	119.3	9.47
24/06/2008	16:02	113.7	0.59	106.3	0.13	117.8	1.72
26/06/2008	09:06	108.1	0.36	110.9	0.15	No Trigger	No Trigger

Vibration limits

Powerline – 50 mm/s, no overpressure limit, Railway – 25 mm/s, no overpressure limit

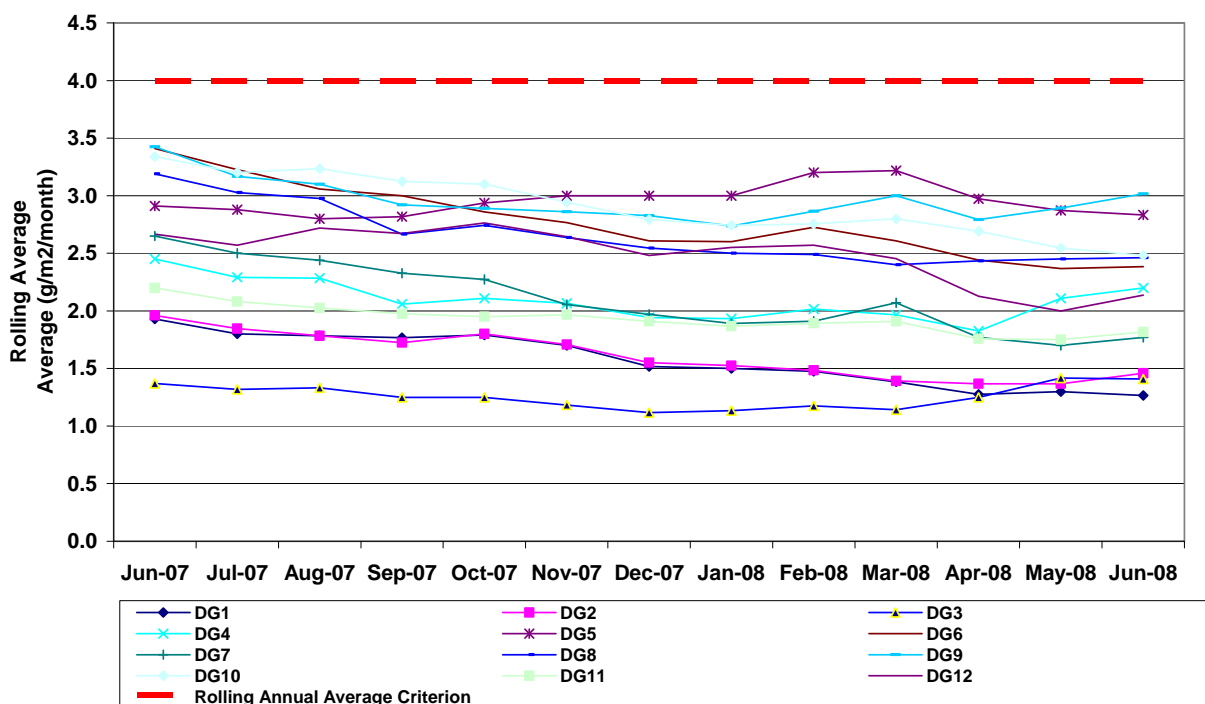
Date Fired	Time Fired	Church		Camberwell Village	
		Peak Vibration mm/s	Peak Overpressure dB(L)	Peak Vibration mm/s	Peak Overpressure dB(L)
6/06/2008	09:47	97.7	0.17	97.8	0.37
10/06/2008	15:57	95.1	0.03	96.3	0.06
16/06/2008	16:00	84.5	0.14	84.5	0.44
17/06/2008	12:30	102.4	0.06	102.1	0.16
19/06/2008	16:04	89.7	0.7	95.9	1.78
24/06/2008	16:02	99.8	0.09	99.7	0.19
26/06/2008	09:06	106.7	0.04	102.8	0.11

Dust Monitoring Results

Depositional Dust (g/m²/month), June 2008

	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08
DG1	0.5	1.6	1.8	1.3	1.6	0.9	1	1.5	1	1.5	1.2	1.3
DG2	0.7	1.1	1.3	2	2.1	1.2	1.1	0.8	0.8	1.5	1.7	3.2
DG3	0.8	1.5	1.2	1.1	1.4	0.7	1.2	1.4	0.8	2.7	2.7	7.6c
DG4	0.7	2.2	2.2	2.3	2.5	1.4	1.6	2.3	1.2	1.9	4.9	3.2
DG5	2.6	2	2.4	3.9	3.9	2.7	1.8	5	2.8	2.6	1.9	2.4
DG6	1.4	1.2	2.6	0.4	3.7	2.1	2.1	5.6	2.4	3.5	1.2	2.4
DG7	1.3	1.9	1.2	1.3	2.3	5.5c	0.8	5.3c	3.5	1.8	1	2.6
DG8	1.4	2.4	2.1	3.3	6.4c	2.1	6.1c	4.3c	1.8	2.3	20.3c	4.3
DG9	1.1	2.5	2.4	2.3	3.8	2.5	2.4	3.7	4.5	2.5	3.7	4.8
DG10	1.8	3.6	1.8	1.4	2.3	2.6	1.4	4.1c	4.1	4	1.4	2.9
DG11	0.9	1.4	2.4	1.2	2.9	2	1.1	1.9	1.8	2.2	1.4	2.6
DG12	1.7	4.2	1.9	2.4	2.3	1.9	4.8c	1.8	1.3	1.7	0.9	3.4

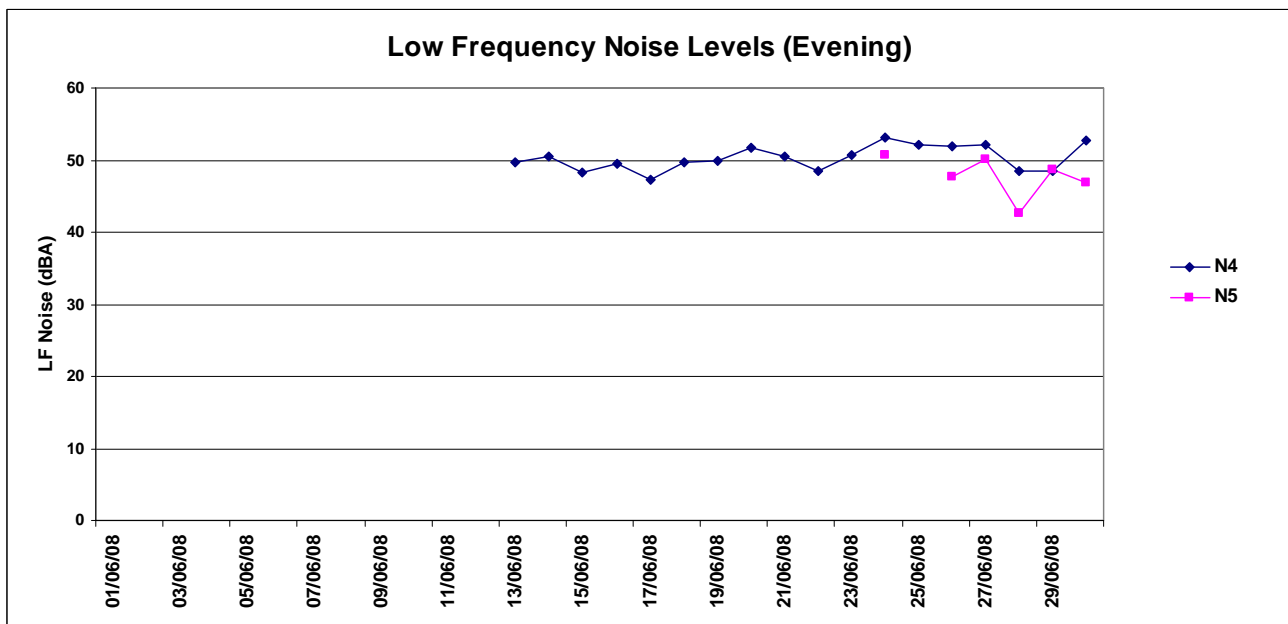
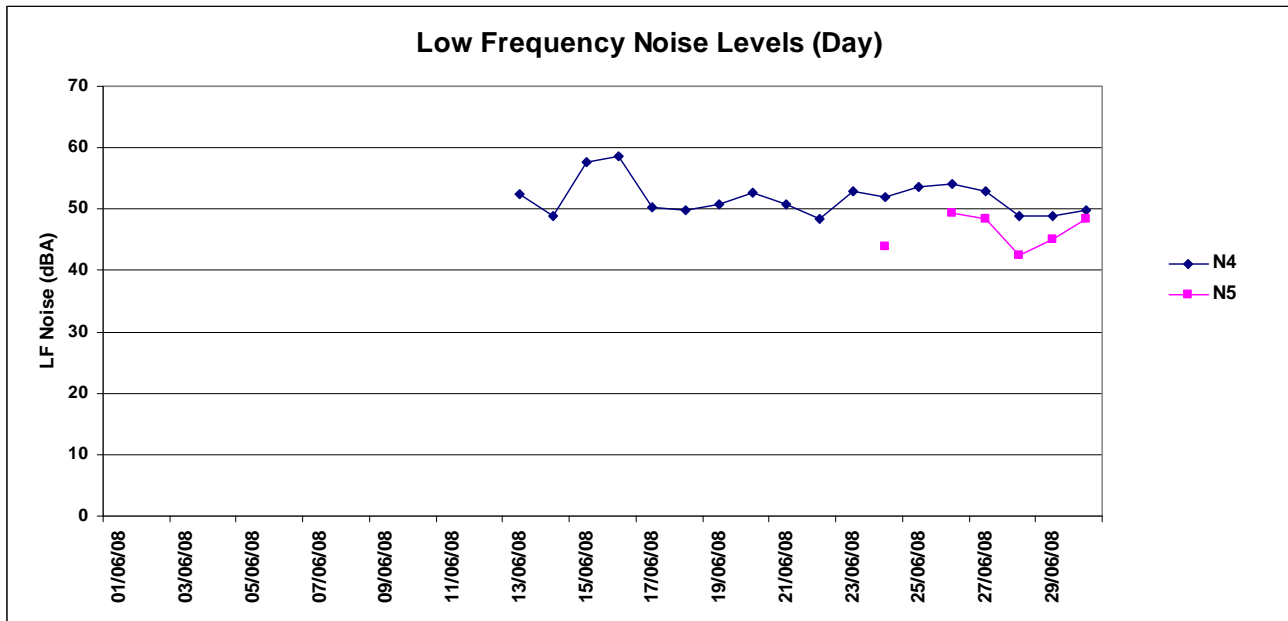
Monthly Deposition Gauge Results



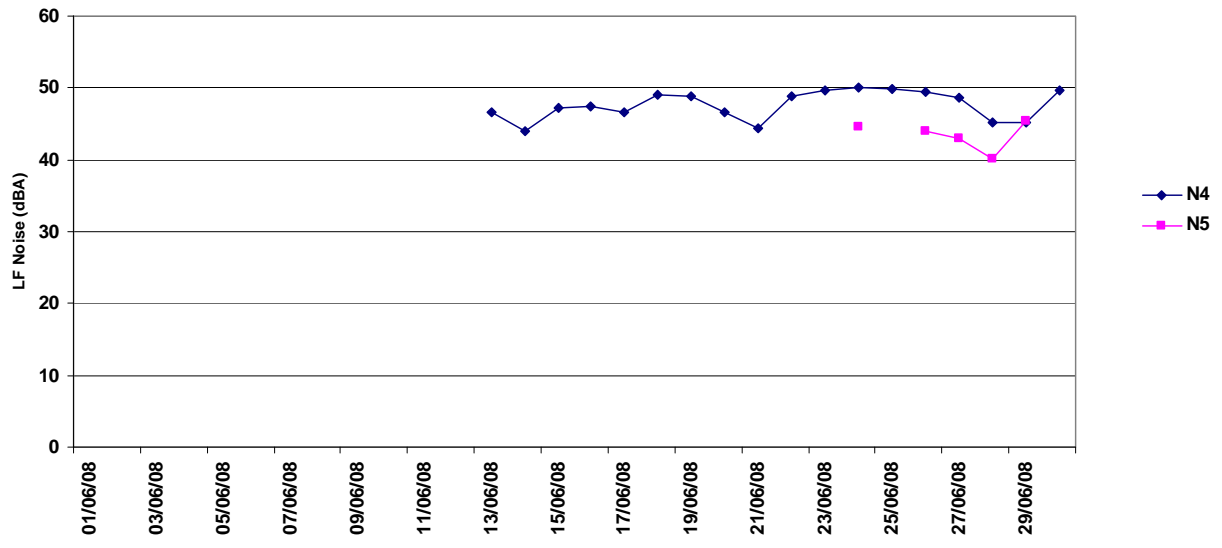
Continuous Noise Monitoring Results

The following graphs represent a summary of noise monitoring results for the monthly period. Detailed results, including assessment of compliance with noise criteria, is provided in the Glendell quarterly noise monitoring report available via the MOC website. Locations N4 and N5 are situated in the Camberwell Village.

Note: Noise monitors installed and commissioned in June



Low Frequency Noise Levels (Night)



Surface Water Monitoring Results

Surface Water Monitoring Results, June 2008 – additional Glendell monitoring points

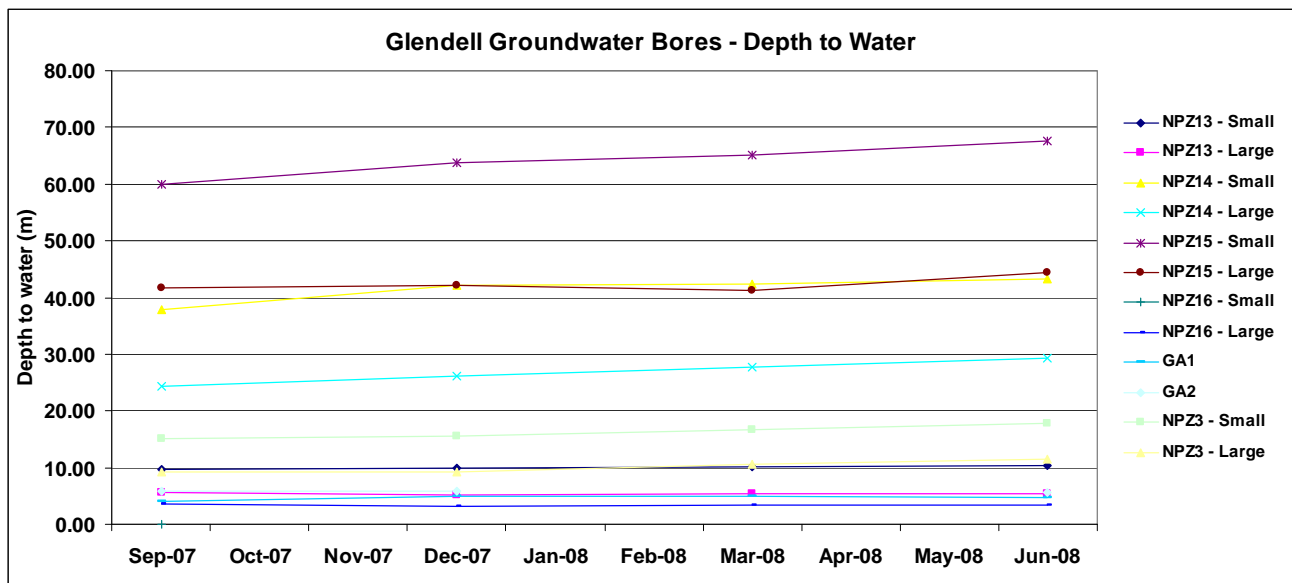
Location	pH	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Flow condition
Bowmans Creek Downstream (BMC4)	7.97	925	4	Slow Flow
Betty Creek Downstream (BC2A)	7.46	496	27	Slow Flow

Groundwater Monitoring Results

Groundwater sampling will be undertaken again in September.

Table 10. Groundwater Bores – 2nd Quarter, 2008.

Piezometer	Depth to water (m)	pH	Conductivity (uS/cm)
NPZ3 (Small) shared with Mt Owen	17.81	7.7	9200
NPZ3 (Large) shared with Mt Owen	11.56	7.3	19900
NPZ13 (Small)	10.37	8.6	10970
NPZ13 (Large)	5.45	8.2	11390
NPZ14 (Small)	43.28	Insufficient water to sample	Insufficient water to sample
NPZ14 (Large)	29.29	8.2	10520
NPZ15 (Small)	67.53	8.2	7700
NPZ15 (Large)	44.38	7.5	8920
NPZ16 (Small)	Broken pipe	Broken pipe	Broken pipe
NPZ16 (Large)	3.45	8.1	11220
GA1	4.76	8.2	2930
GA2	5.68	7.8	3550



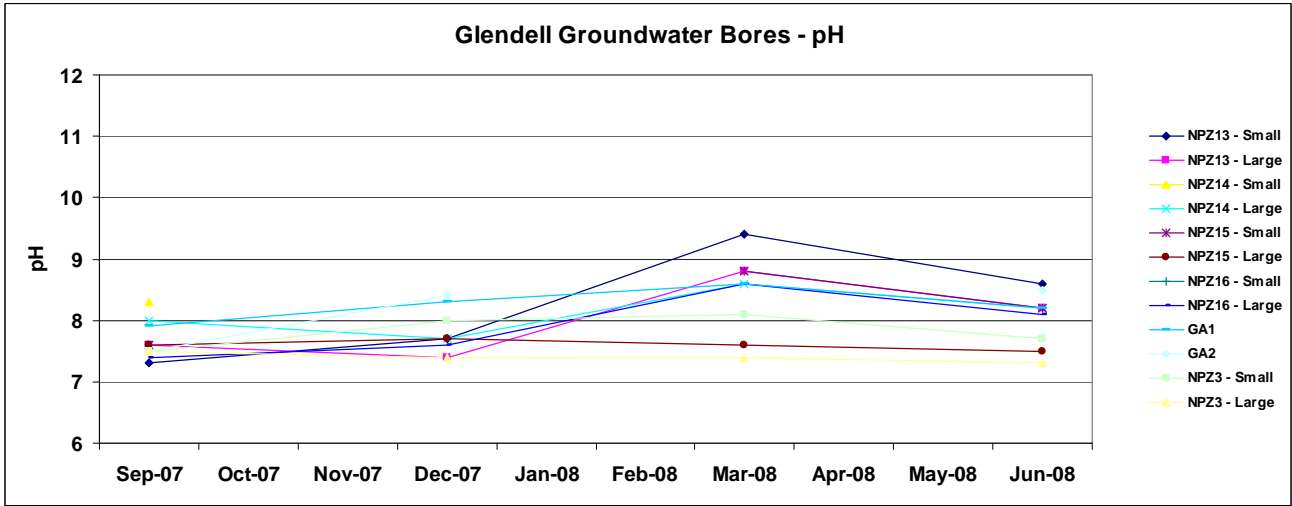
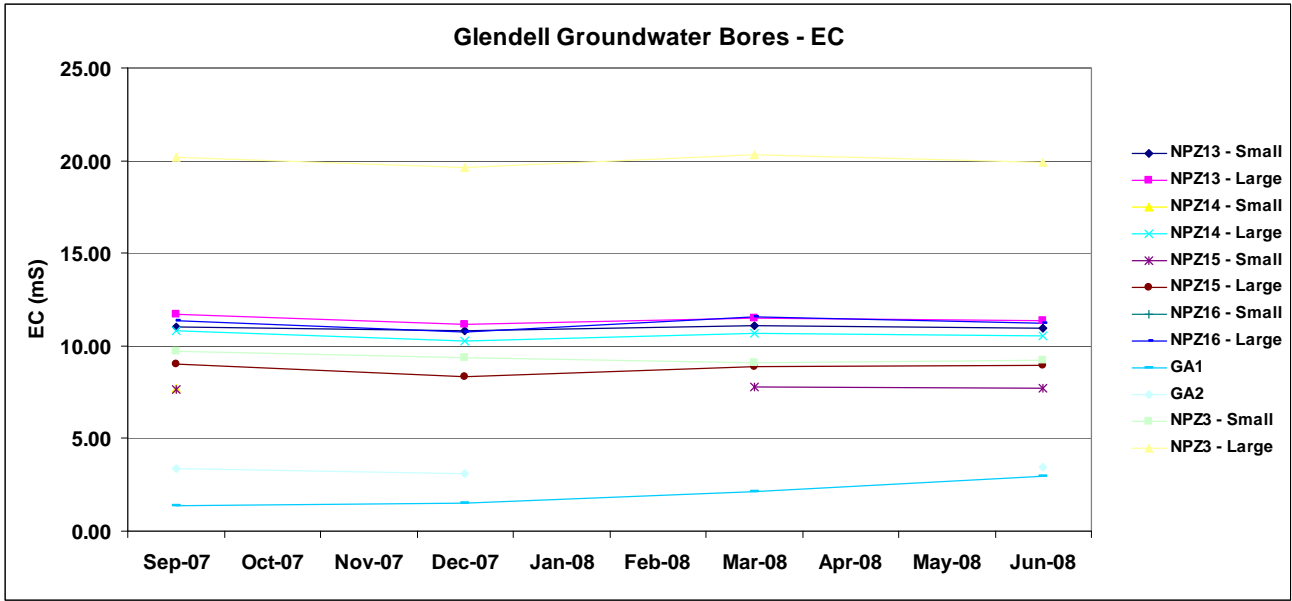


Table 11. Weather Monitoring Results, Ravensworth East Meteorological Station – June 2008

Date	T Min	T Av	T Max	H Min	H Av	H Max	RAIN (mm)	WS Min	WS Av	WS Max
1/06/2008	13	14	16	79	89	96	1	0	1	3
2/06/2008	12	15	19	65	90	99	0	0	2	5
3/06/2008	14	14	15	93	96	98	38	0	3	5
4/06/2008	14	14	15	94	97	99	35	0	3	6
5/06/2008	13	14	16	72	86	96	1	0	1	2
6/06/2008	12	14	16	73	84	96	1	0	1	2
7/06/2008	9	13	17	60	78	91	0	0	1	3
8/06/2008	7	12	14	84	92	97	2	0	1	3
9/06/2008	9	12	17	73	92	100	0	0	1	2
10/06/2008	10	13	18	73	93	99	1	0	1	2
11/06/2008	8	15	22	55	82	99	0	0	2	4
12/06/2008	14	16	18	69	84	94	8	0	2	5
13/06/2008	10	14	17	42	67	91	2	1	5	8
14/06/2008	5	10	15	44	59	78	0	0	2	6
15/06/2008	5	10	13	67	79	88	0	0	2	4
16/06/2008	11	13	15	73	83	94	1	0	2	5
17/06/2008	12	14	16	76	85	90	0	0	1	2
18/06/2008	12	14	16	76	85	90	0	0	1	2
19/06/2008	11	13	16	82	93	98	1	0	1	3
20/06/2008	9	12	16	62	81	95	0	1	3	5
21/06/2008	10	12	16	51	67	81	0	3	4	7
22/06/2008	6	11	17	42	64	89	0	0	2	4
23/06/2008	5	9	15	50	71	91	0	1	3	6
24/06/2008	4	10	17	49	70	91	0	0	2	4
25/06/2008	10	13	18	42	58	70	0	2	4	5
26/06/2008	8	13	18	36	56	77	0	2	5	8
27/06/2008	4	11	17	40	61	86	0	1	3	5
28/06/2008	1	8	16	44	74	96	0	0	1	2
29/06/2008	1	10	20	29	66	98	0	0	2	4
30/06/2008	4	13	19	38	54	81	2	0	5	10
AVERAGE	9	13	17	61	78	92	93(total)	0	2	4

Key – Meteorological Data

Abbreviation	Term	Unit
T	Temperature	°C
H	Humidity	%
RAIN	Rainfall	mm
WS	Wind Speed	m/s
Min	Minimum	
Av	Average	
Max	Maximum	

Figure 26. Wind Rose – June 2008

